

JORDAN RIVER BASIN

1

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT

LOCATION.--Lat 40°24'19", long 112°05'59", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 7, T. 5 S., R. 2 W., Utah County, Hydrologic Unit 16020201, on right bank 100 ft upstream from a right bank diversion, 540 ft downstream from 6 ft culvert, and 5.3 mi north of Cedar Fort.

DRAINAGE AREA.--26.8 mi².

PERIOD OF RECORD.--July 1965 to October 1975, October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,620 ft above NGVD of 1929, from topographic map. Prior to July 21, 1993 at site 700 ft upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,660 ft³/s, Aug 28, 1971, gage height, 7.50 ft from slope-area measurement; minimum, 0.01 ft³/s, Apr 20, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9.4 ft³/s, May 28, 31, gage height, 2.57 ft; minimum discharge, 0.01 ft³/s, Apr 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.31	0.57	e0.21	e0.21	0.31	e0.15	0.07	0.16	5.6	0.91	0.62	0.28
2	0.26	0.71	e0.22	e0.26	0.31	e0.16	0.06	0.17	4.9	0.88	0.60	0.29
3	0.27	0.59	e0.22	e0.21	0.31	e0.17	0.10	0.18	3.8	0.86	0.60	0.25
4	0.33	0.50	e0.22	e0.20	0.21	e0.16	0.08	0.23	3.4	0.81	0.59	0.23
5	0.47	0.37	e0.22	e0.15	e0.21	e0.20	0.10	0.27	2.9	0.81	0.59	0.22
6	0.43	0.40	e0.20	e0.14	0.16	e0.18	0.09	0.31	2.6	0.80	0.58	0.22
7	0.38	0.42	e0.18	e0.13	e0.11	0.10	0.09	0.47	2.4	0.77	0.58	0.21
8	0.34	0.49	e0.16	e0.10	e0.11	0.10	0.07	0.47	2.1	0.75	0.50	0.21
9	0.31	0.40	e0.16	e0.07	e0.12	0.09	0.07	0.48	2.0	0.75	0.49	0.20
10	0.30	0.40	e0.18	e0.07	e0.15	0.09	0.07	0.54	1.8	0.74	0.50	0.19
11	0.31	e0.45	e0.20	e0.07	e0.18	0.08	0.07	0.58	1.6	0.74	0.49	0.19
12	0.29	0.45	e0.23	e0.10	e0.19	0.06	0.06	0.68	1.7	0.74	0.49	0.18
13	0.31	0.40	e0.25	e0.11	e0.20	0.06	0.06	0.92	1.6	0.75	0.48	0.18
14	0.28	0.44	e0.30	e0.11	e0.26	0.08	0.08	1.2	1.5	0.75	0.48	0.18
15	0.30	0.35	e0.25	e0.11	e0.28	0.11	0.10	1.8	1.3	0.75	0.47	0.17
16	0.35	0.45	e0.20	e0.08	e0.31	0.36	0.10	0.84	1.4	0.75	0.49	0.17
17	0.36	0.38	e0.18	e0.07	e0.30	0.08	0.11	0.44	1.3	0.75	0.47	0.16
18	0.38	0.36	e0.18	e0.10	e0.29	0.08	0.13	0.46	1.3	0.75	0.45	0.16
19	0.32	0.34	e0.20	e0.10	e0.25	0.08	0.09	1.3	1.2	0.75	0.44	0.16
20	0.36	0.27	e0.17	e0.11	e0.30	0.08	0.03	2.0	1.2	0.76	0.42	0.15
21	0.36	0.32	e0.17	e0.12	e0.30	0.08	0.03	2.4	1.4	0.69	0.38	0.15
22	0.41	0.26	e0.17	e0.13	e0.28	0.08	0.06	2.8	1.3	0.67	0.38	0.14
23	0.46	0.23	e0.15	e0.16	e0.25	0.08	0.04	3.8	1.8	0.68	0.37	0.14
24	0.57	0.22	e0.14	e0.17	e0.21	0.09	0.04	4.8	1.6	0.67	0.35	0.14
25	0.63	e0.20	e0.13	e0.20	e0.16	0.08	0.05	5.4	1.4	0.67	0.33	0.14
26	0.71	e0.18	e0.18	e0.23	e0.11	0.11	0.08	6.2	1.2	0.67	0.32	0.14
27	0.64	e0.18	e0.25	e0.25	e0.12	0.09	0.10	7.0	1.2	0.67	0.31	0.14
28	0.67	e0.18	e0.30	e0.28	e0.13	0.08	0.09	6.9	1.1	0.67	0.30	0.14
29	0.53	e0.16	e0.26	0.27	---	0.08	0.11	6.7	0.99	0.67	0.31	0.14
30	0.58	e0.20	e0.24	0.32	---	0.08	0.12	6.8	0.96	0.67	0.31	0.12
31	0.55	---	e0.21	0.31	---	0.07	---	6.6	---	0.69	0.28	---
TOTAL	12.77	10.87	6.33	4.94	6.12	3.39	2.35	72.90	58.55	22.99	13.97	5.39
MEAN	0.41	0.36	0.20	0.16	0.22	0.11	0.078	2.35	1.95	0.74	0.45	0.18
MAX	0.71	0.71	0.30	0.32	0.31	0.36	0.13	7.0	5.6	0.91	0.62	0.29
MIN	0.26	0.16	0.13	0.07	0.11	0.06	0.03	0.16	0.96	0.67	0.28	0.12
AC-FT	25	22	13	9.8	12	6.7	4.7	145	116	46	28	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-75, 1987-2003, BY WATER YEAR (WY)

MEAN	1.30	1.09	0.73	0.58	0.56	1.03	4.11	13.2	11.2	4.93	2.56	1.47
MAX	4.16	3.40	2.05	1.53	1.56	3.59	17.4	44.2	29.0	21.2	8.90	4.47
(WY)	(1996)	(1996)	(1996)	(1999)	(1987)	(1996)	(1969)	(1973)	(1995)	(1975)	(1975)	(1975)
MIN	0.17	0.17	0.10	0.062	0.057	0.11	0.078	2.35	1.63	0.66	0.26	0.18
(WY)	(1993)	(1991)	(1993)	(1991)	(1991)	(2003)	(2003)	(2003)	(1992)	(1992)	(1992)	(2003)

JORDAN RIVER BASIN

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1966-75, 1987-2003
ANNUAL TOTAL	371.94	220.57	
ANNUAL MEAN	1.02	0.60	3.57
HIGHEST ANNUAL MEAN			8.65
LOWEST ANNUAL MEAN			0.60
HIGHEST DAILY MEAN	8.3	May 20	85
LOWEST DAILY MEAN	0.08	Mar 29	0.03
ANNUAL SEVEN-DAY MINIMUM	0.09	Apr 22	0.05
ANNUAL RUNOFF (AC-FT)	738	438	2,590
10 PERCENT EXCEEDS	3.4	1.3	10
50 PERCENT EXCEEDS	0.33	0.28	1.1
90 PERCENT EXCEEDS	0.10	0.08	0.21

e Estimated

